

## BIBLIOGRAPHY

C. FITZHUGH TALMAN, in Charge of Library

## RECENT ADDITIONS

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

- Bartels, J.** Gezeitenschwingungen der Atmosphäre. Leipzig. 1928. p. 163-210. figs. 24½ cm. (Sonderdr.: Handb. der experimentalphysik, Bd. 25, 1. Teil.)
- Bertoni, Moises S.** Estudio de las periodicidades aparentes o reales de las lluvias y tempestades. Puerto Bertoni. 1918. 58 p. 24 cm. (Descrip. fisica & econ. del Paraguay. Div. 2. Met. & clim. Sec. 24: meteorocnoscia. Num. 24:2.)
- Biel, Erwin.** Klimatographie des ehemaligen österreichischen Küstenlandes. Wien. 1927. p. 135-193. figs. plates. 31½ cm. (Denkschr. der math.-naturw. Kl., 101. Bd.)
- Chapel, L. T.** Climatic averages for Cristobal-Colon. Averages from 20 years weather records. Cristobal. 1928. 10 p. 30½ cm. [Manifolded.]
- Chernyshoff, M. J.** Loss of warmth in aqueducts in frozen ground. Vladivostok. 1928. 12, 19 p. plates. 27 cm. (Mem. Univ. d'Etat à l'Extrême-Orient. Sér. 13, no. 3.) [Author, title and text in Polish. Résumé in English.]
- Fjeldstad, Jonas Ekman.** Contribution to the dynamics of free progressive tidal waves. Bergen. 1929. 80 p. 31 cm. (Norwegian north polar exped. with the "Maud" 1918-1925, sci. results, v. 4, no. 3.)
- Heilmann, G.** Die Trockengebiete Europas und deren Ursachen. p. 353-358. 26 cm. (Sonderab.: Ztschr. Gesellsch. für Erdkunde zu Berlin. Jahrg. 1928, Nr. 9/10.)
- Knoche, Walter.** Karten der Januar- und Juli-Bewölkung in Chile. p. 220-224. chart. 26 cm. (Sonderab.: Ztschr. Gesellsch. für Erdk. zu Berlin. Jahrg. 1927, Nr. 4.)
- Ortiz, Oscar Rivery.** Indicaciones de los vientos mas importantes que reinan en los distintos oceanos. De la obra "Apuntes de meteorología" por el Alferez de Navio. [2 p.] 52 cm. [Bol. hidrográfico. Habana. no. 65-66. Ago. 25, Sept. 10, 1928.]
551. 590. 2
- SOLAR OBSERVATIONS**
- SOLAR RADIATION MEASUREMENTS, JUNE, 1929**  
By HERBERT H. KIMBALL
- For reference to descriptions of instruments and exposures, and an account of the method of obtaining and reducing the measurements, the reader is referred to this volume of the REVIEW, page 26.
- Table 1 shows that solar radiation intensities averaged slightly below normal values for June at all three stations at which measurements are made.
- Table 2 shows an excess in the total radiation received on a horizontal surface at Washington, as compared with the June normal for that station, is close to normal at Madison and Lincoln, and is deficient at Chicago and New York.
- Skylight polarization measurements obtained on three days at Washington give a mean of 46 per cent with a maximum of 50 per cent on the 13th. These are close to the corresponding averages for June at Washington. At Madison measurements obtained on six days give a mean of 56 per cent, with a maximum of 61 per cent on the 19th and 29th. These are slightly below the corresponding averages for June at Madison.